

NOTES:

1. IMPACT RESISTANT GLAZING SYSTEM MAY BE INSTALLED IN TOP OR INTERMEDIATE SECTION (WITH OR WITHOUT DECORATIVE INSERTS). GLAZING SHALL BE 1/4" MAKROLON-AR POLYCARBONATE (MIAMI-DADE NOA #07-0313.04) OR EQUAL. MAXIMUM GLAZING DIMENSIONS SHALL BE 18.56" x 12.28". SEE DETAIL E ON SHEET 2 FOR ASSEMBLY DETAILS.

2. VINYL OR WOOD DOOR STOP NAILED A MAXIMUM OF 6" O.C. MUST OVERLAP TOP AND BOTH ENDS OF PANELS MINIMUM 7/16" TO MEET NEGATIVE PRESSURES.

3. KEY LOCK OR SLIDE LOCKS REQUIRED.

4. SECTION STEEL TO HAVE A MINIMUM 24 GA THICKNESS WITH A MINIMUM G90 COATING AND A MINIMUM YIELD STRENGTH OF 33.8 KSI.

5. THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.

6. WOOD SUBSTRATE FOR DOOR JAMB IS TO BE MINIMUM 2x6 NO. 3 SOUTHERN PINE. REFER TO SHEET 4 FOR ATTACHMENT TO SUPPORTING STRUCTURE. FOR MOUNTING OF CONTINUOUS WALL ANGLE, SEE CONTINUOUS WALL ANGLE DETAIL SHEET 4.

7. FOR LOW HEAD ROOM LIFT CONDITIONS, TOP BRACKET SHALL BE A 13 GA LHR 7/4 TOP BRACKET WITH A MINIMUM OF (3) 1/4-14x7/8" SELF DRILLING CRIMPITE SCREWS IN LIEU OF THE BRACKET SHOWN ON THIS DRAWING. U-BAR ON TOP SECTION SHALL BE INSTALLED ON TOP OF LHR TOP BRACKETS.

8. LOUVERS MAY BE INSTALLED ON THE DOOR IF THE TOTAL AREA OF THE LOUVER DOES NOT EXCEED 120 SQUARE INCHES.

9. DOOR WITHOUT POST SYSTEM HAS BEEN TESTED TO WITHSTAND DESIGN PRESSURES CORRESPONDING TO A 75 MPH WIND SPEED (+/-14.40 PSF). POST SYSTEM SHALL BE INSTALLED WHEN WIND SPEEDS ARE EXPECTED TO EXCEED 75 MPH.

SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

MAX DOOR WIDTH	MAX DOOR HEIGHT	UNIFORM LOAD EACH JAMB (PLF)	POINT LOAD AT HEADER AND SLAB AT EACH POST LOCATION (LBS)
17'-0"	7'-0"	+185.5/-209.6	+1507.4/-1712.9
	8'-0"	+185.5/-209.6	+1704.0/-1936.3
18'-0"	7'-0"	+190.7/-215.7	+1637.0/-1850.5
	8'-0"	+190.7/-215.7	+1860.3/-2102.9

13 GA HORIZ ANGLE
POST CHAIN ATTACHED TO HORIZ ANGLE WITH S-HOOK
13 GA FLAG ANGLE
15 GA MIN HORIZ TRACK
5/16x1-5/8" LAG SCREW (MIN 4 AS SHOWN)
15 GA MIN VERT TRACK

1/4-20x9/16" TRACK BOLT AND 1/4-20 HEX NUT AT EACH JB-US JAMB BRACKET LOCATION

5/16x1-5/8" LAG SCREW AT EACH JAMB BRACKET

15 GA STIFFENED JAMB BRACKETS SEE SCHEDULE FOR QUANTITY, LOCATION, AND TYPE

KEY LOCK OR SLIDE LOCK EACH END (SEE NOTE 3). SLIDE LOCK SHOWN FOR CLARITY

NOTE: (4) SECTION SOLID DOOR SHOWN. SHEET 2 FOR U-BAR LOCATIONS ON DOORS WITH OTHER SECTION QUANTITIES AND SEE NOTE 1 THIS SHEET FOR GLAZING OPTIONS.

16 GA END STILE

20 GA CENTER STILE

NOTE: 18' DOOR SHOWN. SEE SHEET 2 FOR HINGE, STILE, AND POST LOCATIONS ON OTHER SIZE DOORS.

JAMB BRACKET SCHEDULE

DOOR HEIGHT	NO. OF SECTIONS	NO. OF JAMB BRACKETS (EACH JAMB)	LOCATION OF CENTERLINE OF JAMB BRACKETS MEASURED FROM BOTTOM OF TRACK (ALL DIMENSIONS ± 2")
6'-6"	4	7	2" (JB-US), 10" (JB-US), 21-3/4" (JB-US), 29-3/4" (JB-US), 39" (JB-US), 48" (JB-US), 57-1/4" (JB-US)
7'-0"	4	7	2" (JB-US), 10" (JB-US), 21-3/4" (JB-US), 29-3/4" (JB-US), 42" (JB-US), 52-1/2" (JB-US), 63-1/4" (JB-US)
7'-6"	5	8	2" (JB-US), 10" (JB-US), 18-3/4" (JB-US), 26-3/4" (JB-US), 36" (JB-US), 45" (JB-US), 54-1/4" (JB-US), 74-1/2" (JB-US)
8'-0"	5	8	2" (JB-US), 10" (JB-US), 21-3/4" (JB-US), 29-3/4" (JB-US), 39" (JB-US), 48" (JB-US), 57-1/2" (JB-US), 75-1/2" (JB-US)

NOTE: (JB-US) FOLLOWING DIMENSION DENOTES SLOTTED JAMB BRACKET ATTACHED TO TRACK WITH 1/4-20x9/16" TRACK BOLT AND NUT AS SHOWN ABOVE.

ALL DOORS WITH DECORATIVE OVERLAY REQUIRE USE OF CONTINUOUS WALL ANGLE. SEE SHEET 4 FOR DETAILS.

REVISIONS

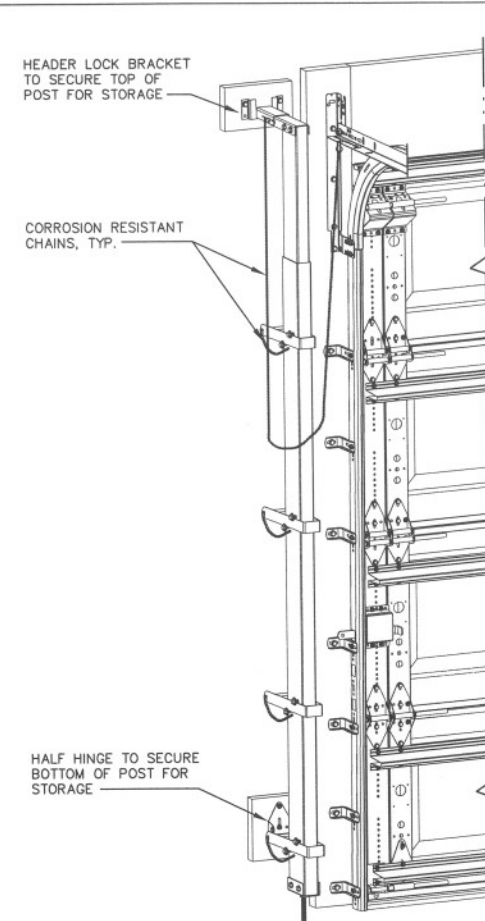
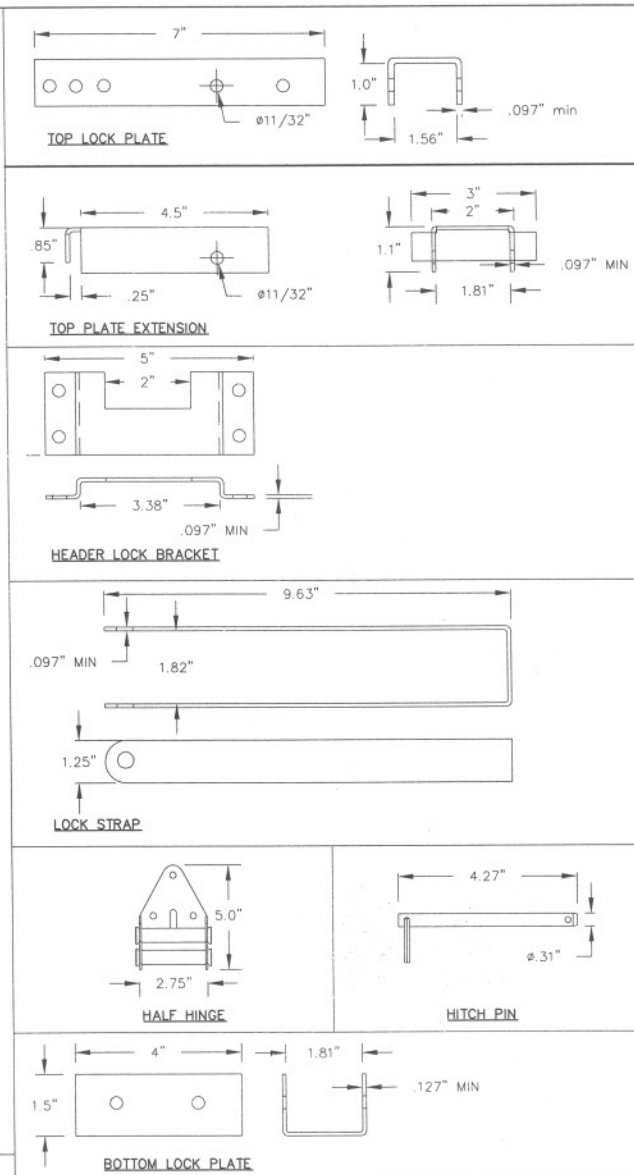
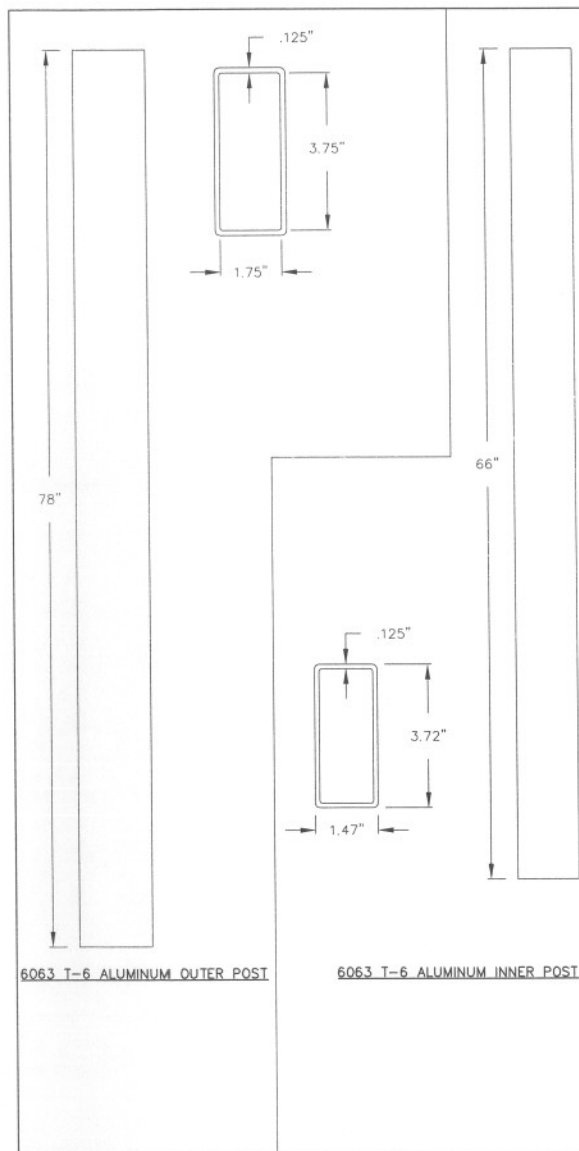
- P1 ADDED POST COMPONENT DETAILS TO SHEET 3. MOVED JAMB DETAIL TO SHEET 4. REMOVED CONCRETE SPECIFICATION FROM NOTES AND ADDED DETAIL H SHEET 2 FOR CONCRETE SPECIFICATION. GRT 9/13/07
- P2 MODIFIED TRACK NOTE FOR DOORS WITH DECORATIVE OVERLAYS. ADDED PAN LAYOUTS FOR 14'2" THROUGH 16' DOOR WIDTHS. ADDED CONTINUOUS WALL ANGLE DETAIL SHEET 4. UPDATED NOTES FOR CONTINUOUS WALL ANGLE MOUNTING. GRT 10/1/07
- P3 ADDED IMPACT RESISTANT GLAZING. MODIFIED NOTES SHEET 1 FOR GLAZING. ADDED DETAIL J SHEET 2 FOR GLAZING. GRT 11/10/07
- P4 ADDED CHAIN TO ATTACH POST TO TRACK AND HITCH PINS TO POST SYSTEM. UPDATED DRAWINGS ON SHEET 1, AND DETAILS E, F, AND G ON SHEET 2. ADDED NOTE 9 ON SHEET 1. ADDED POST STORAGE SHEET 3. GRT 5/19/08

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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
DESIGN (PSF):	+46.00/-52.00	MAX WIDTH:	18'-0"	DATE		NAME	
TEST (PSF):	+69.00/-78.00	MAX HEIGHT:	8'-0"	DRAWN	2/22/07	GRT	
IMPACT/CYCLIC RATED (YES/NO):	YES	MAX SECTION HEIGHT:	21"	CHECKED	5/4/07	MRB	
MODELS 8024/8124				SHEET 1 OF 4			
WINDLOAD SPECIFICATION OPTION CODE 1340				DRAWING PART NO.		REV.	
				329930		P4	

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POST SYSTEM STORAGE

NOTE: POST SYSTEM SHALL BE STORED IN A CONVENIENT LOCATION AS CLOSE TO GARAGE DOOR AS POSSIBLE.



REVISIONS

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POST SYSTEM COMPONENT DETAILS



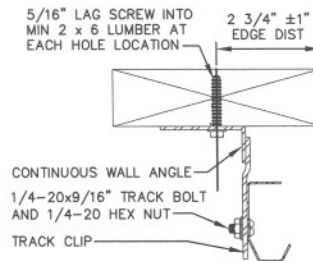
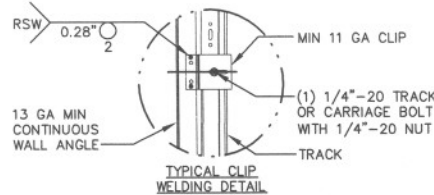
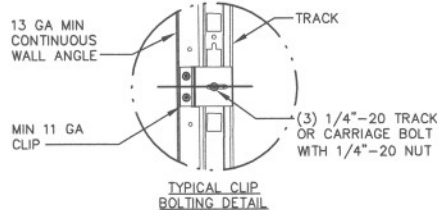
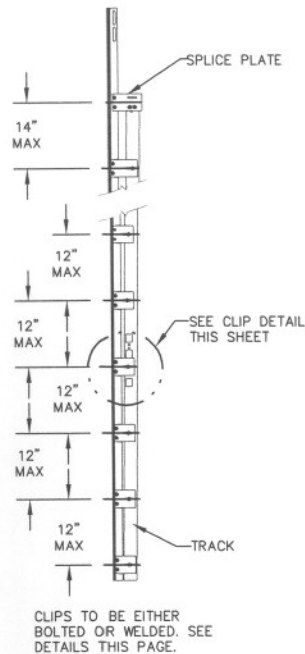
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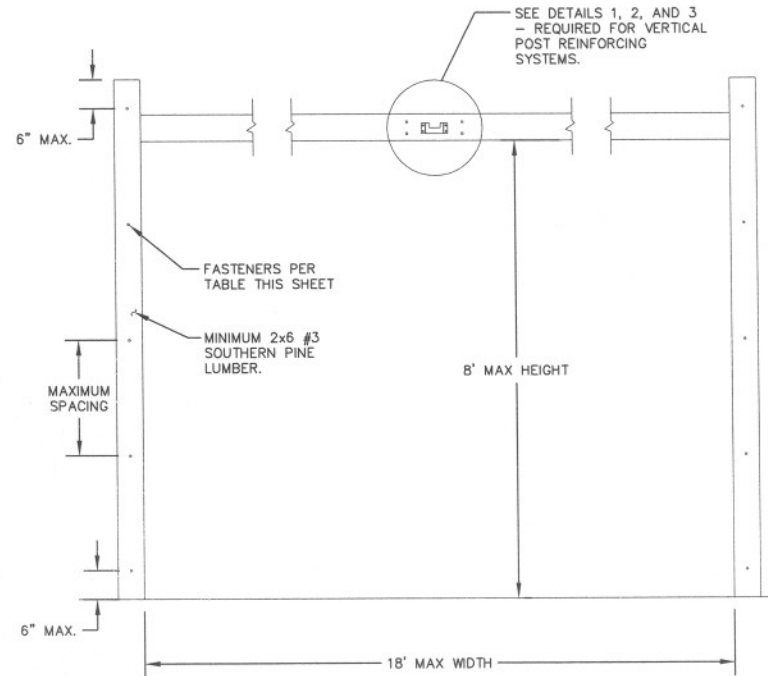
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STATIC PRESSURE RATINGS		APPROVED SIZES		SCALE: N.T.S.		SIZE: A	
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TEST (PSF):	+69.00/-78.00	MAX HEIGHT:	8'-0"	DRAWN	2/22/07	GRT	
IMPACT/CYCLIC RATED (YES/NO): YES		MAX SECTION HEIGHT: 21"		CHECKED	5/4/07	MRB	
MODELS 8024/8124					SHEET 3 OF 4		
WINDLOAD SPECIFICATION OPTION CODE 1340					DRAWING PART NO.		REV.
					329930		P4

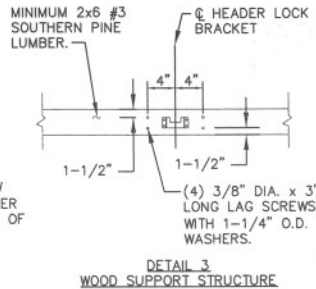
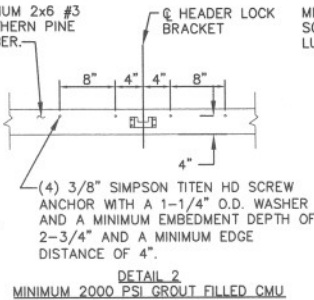
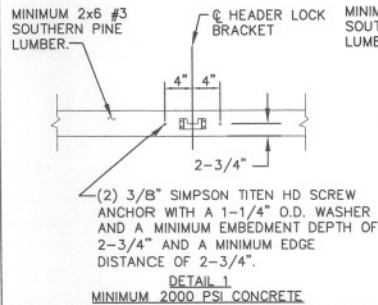


MAX SPACING OF ANCHORS/SCREWS PER JAMB (IN)		
3/8" SIMPSON TITEN HD SCREW ANCHOR TO MINIMUM 2000 PSI CONCRETE	3/8" SIMPSON TITEN HD SCREW ANCHOR TO MINIMUM 2000 PSI GROUT FILLED CMU	3/8" x 3" LONG LAG SCREW
24	24	24

1. BASED ON 3/8" SIMPSON TITEN HEAVY DUTY SCREW ANCHOR WITH A 1" O.D. WASHER INTO CONCRETE WITH A MINIMUM EMBEDMENT DEPTH OF 2-3/4" AND A MINIMUM EDGE DISTANCE OF 2-3/4".
2. BASED ON 3/8" SIMPSON TITEN HEAVY DUTY SCREW ANCHOR WITH A 1" O.D. WASHER INTO GROUT FILLED CMU WITH A MINIMUM EMBEDMENT DEPTH OF 2-3/4", A MINIMUM EDGE DISTANCE OF 4", AND A MINIMUM END DISTANCE OF 4". CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 AND GROUT SHALL CONFORM TO ASTM C476.
3. BASED ON 3/8" DIAMETER x 3" LONG LAG SCREWS WITH 1" O.D. WASHERS WITH A 1-9/32" THREAD PENETRATION INTO SEASONED DRY WOOD SUPPORTING STRUCTURE.
4. PROVIDE QUANTITY OF SCREW ANCHORS OR LAG SCREWS AS REQUIRED TO MAINTAIN MAXIMUM SPACING AS SHOWN IN TABLE WITH A MINIMUM OF THREE (3) SCREW ANCHORS OR LAG SCREWS PER JAMB. SCREW ANCHORS OR LAG SCREWS AT TOP AND BOTTOM OF JAMB SHALL BE PLACED A MAXIMUM OF 6" FROM THE END OF THE JAMB.
5. LOAD PER JAMB CALCULATED TO BE A MAXIMUM OF +190.7/-215.7 LBS PER FOOT.
6. CHART INCLUDES A SAFETY FACTOR OF 4.
7. DOOR JAMB TO BE MINIMUM 2x6 NO. 3 SOUTHERN PINE LUMBER (MIN) MOUNTED DIRECTLY TO SUPPORT STRUCTURE.
8. DESIGN OF THE SUPPORT STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE BUILDING DESIGNER AND SHALL BE DESIGNED FOR THE LOADS LISTED IN NOTE 5.
9. SCREW ANCHORS OR LAG SCREWS SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS.



CONTINUOUS WALL ANGLE DETAILS



REVISIONS

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6/26/08
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